

FIG. 1A

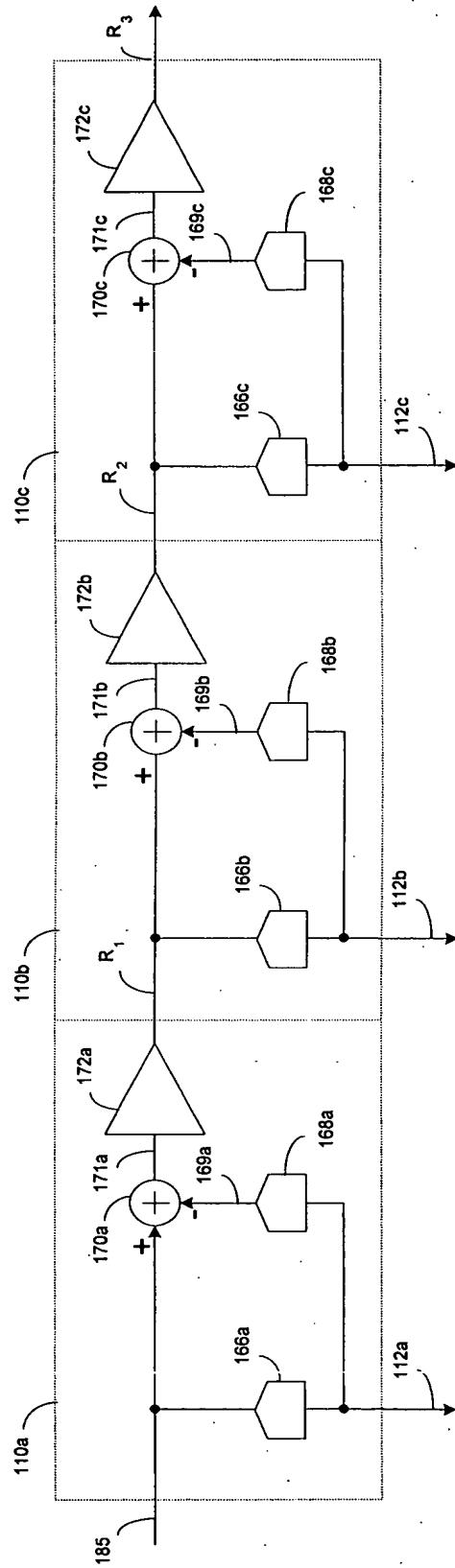


FIG. 1B

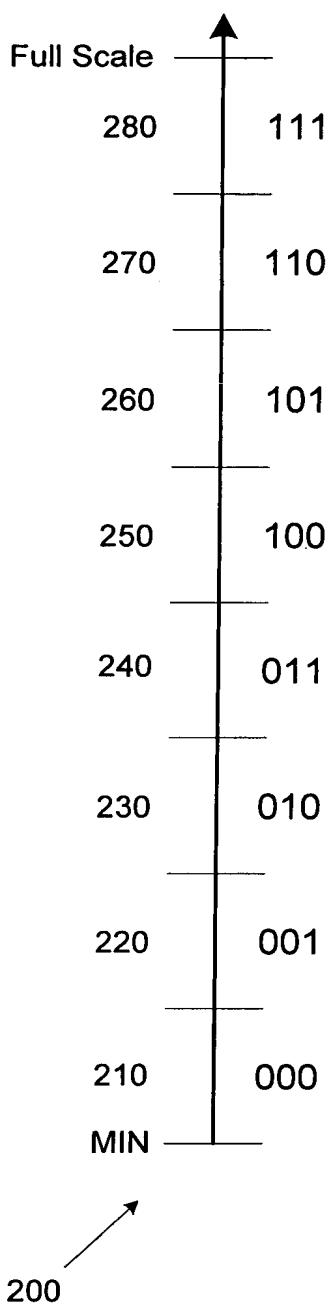


FIG. 2A

Code	Calibration Bits 250
111	001010
110	110010
101	101101
100	000000
011	011000
010	010111
001	000000
000	000000

FIG. 2B

290

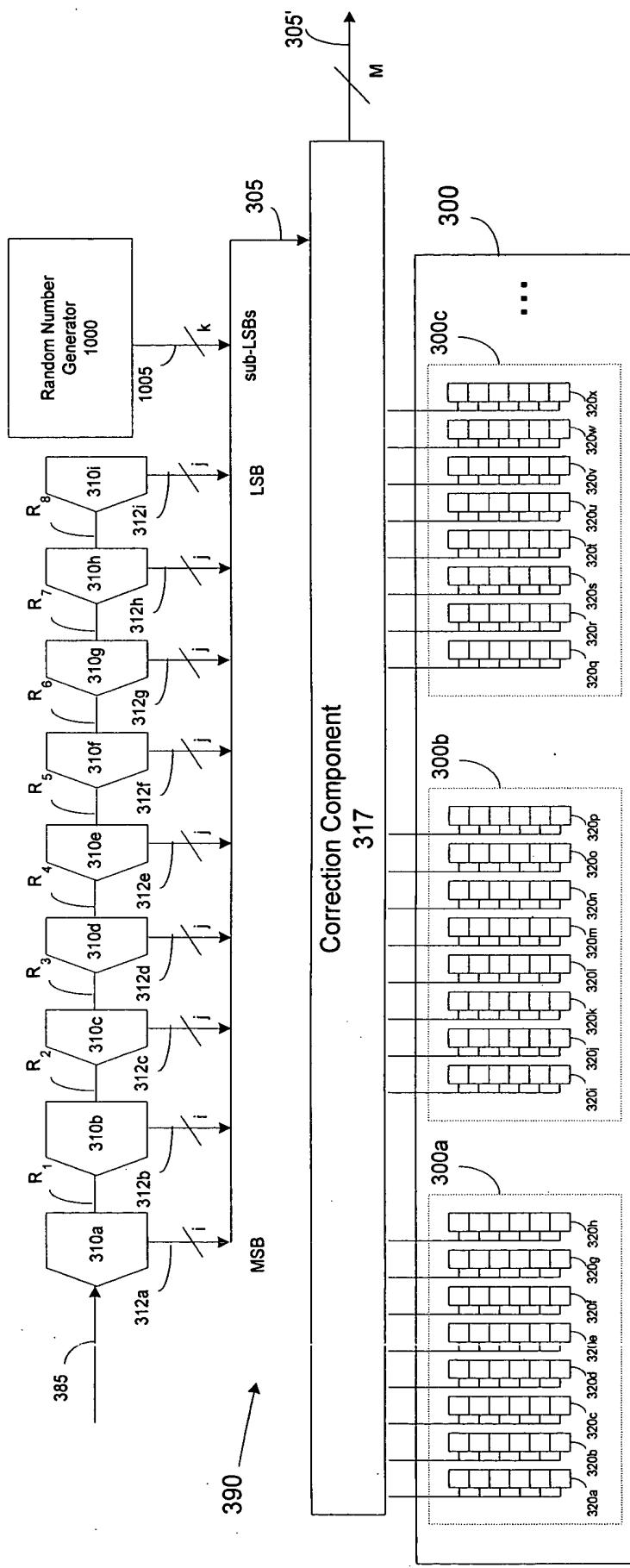


FIG. 3

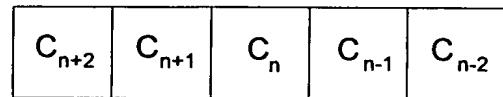


FIG. 4A

Digital Signal 306	...	D_{n+2}	D_{n+1}	D_n	RB_{n-1}	RB_{n-2}
Calibration Bits 325	+	C_{n+2}	C_{n+1}	C_n	C_{n-1}	C_{n-2}
Digital Output Word 305'	...	O_{n+2}	O_{n+1}	O_n	O_{n-1}	O_{n-2}

FIG. 4B

450

Digital Signal 306	...	D_{n+2}	D_{n+1}	D_n	RB_{n-1}	RB_{n-2}	RB_{n-3}	RB_{n-4}
Calibration Bits 325	+	C_{n+2}	C_{n+1}	C_n	C_{n-1}	C_{n-2}	C_{n-3}	C_{n-4}
Digital Output Word 305'	...	O_{n+2}	O_{n+1}	O_n	O_{n-1}	O_{n-2}	O_{n-3}	O_{n-4}

FIG. 4C

450

Digital Signal 306	...	D_{n+2}	D_{n+1}	D_n	D_{n-1}	D_{n-2}	RB_{n-3}	RB_{n-4}
Calibration Bits 325	+	C_{n+2}	C_{n+1}	C_n	C_{n-1}	C_{n-2}	C_{n-3}	C_{n-4}
Digital Output Word 305'	...	O_{n+2}	O_{n+1}	O_n	O_{n-1}	O_{n-2}	O_{n-3}	O_{n-4}

FIG. 4D

450

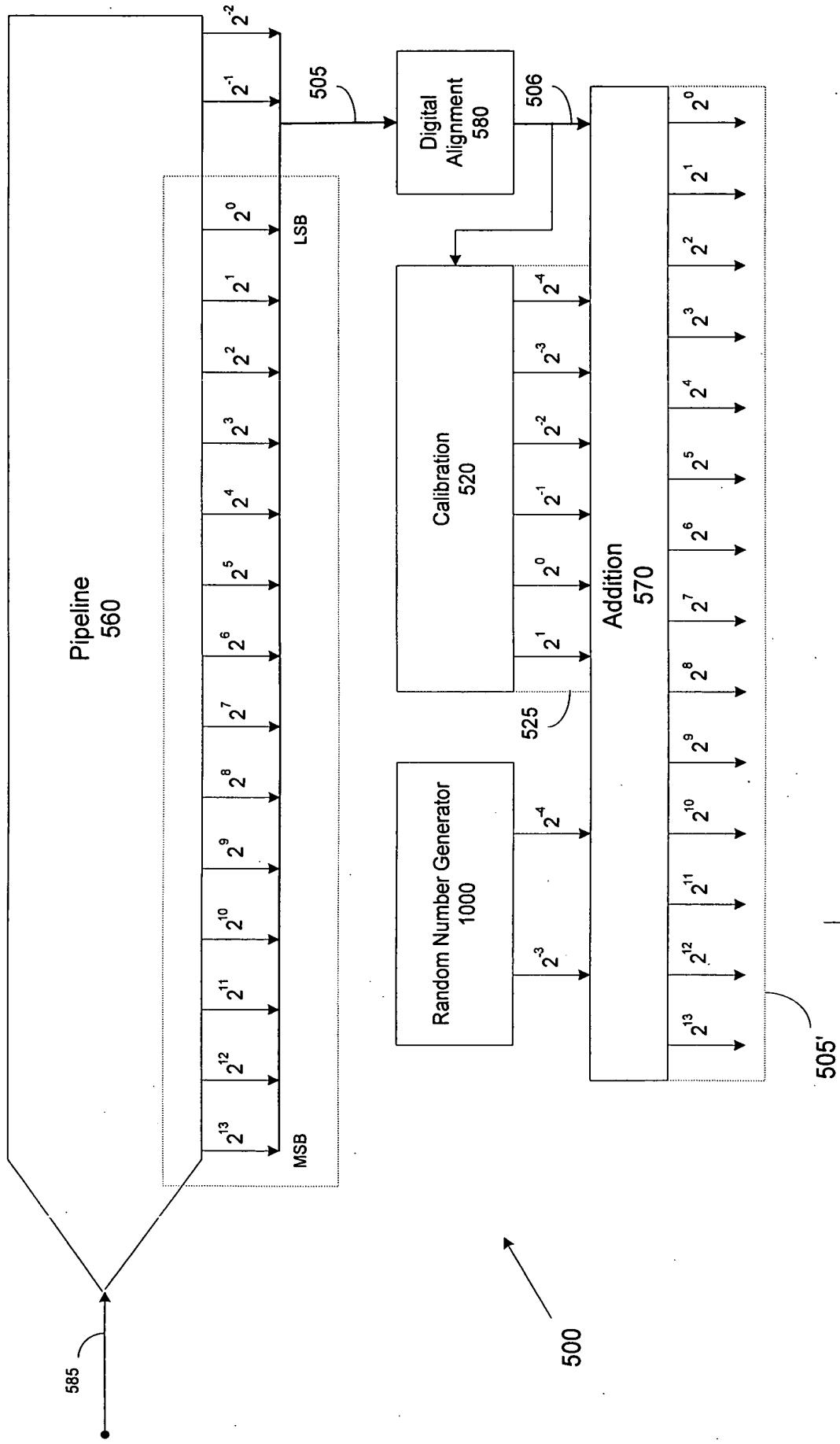


FIG. 5

690a

690b

Input to Correction Component				Digital Output	
Digital Output Bits		Random Bits	Calibration	No Calibration	With Calibration
$2^2, 2^1, 2^0$	$2^1, 2^{-2}$	$2^{-3}, 2^{-4}$	$2^{-3}, 2^{-4}$	$2^2, 2^1, 2^0$	$2^2, 2^1, 2^0$
1 111	11	00	00	111	111
		01			
		10			
		11			
2 100	00	00	00	100	100
		01			
		10			
		11			
3 100	01	00	01	101	101
		01			
		10			
		11			
4 100	10	00	01	101	TRIM
		01			
		10			
		11			
5 100	11	00	01	101	TRIM
		01			
		10			
		11			
6 101	00	00	01	101	TRIM
		01			
		10			
		11			

FIG. 6

690



695

TRIM

790a

790b

Input to Correction Component				Digital Output	
Digital Output Bits		Random Bits	Calibration	No Calibration	With Calibration
$2^2, 2^1, 2^0$	$2^{-1}, 2^{-2}$	$2^{-3}, 2^{-4}$	$2^{-3}, 2^{-4}$	$2^2, 2^1, 2^0$	$2^2, 2^1, 2^0$
1 111	11	00	01	111	111
		01			
		10			
		11			
2 100	00	00	10	100	100
		01			
		10			
		11			
3 100	01	00	10	100	100
		01			
		10			
		11			
4 100	10	00	10	101	101
		01			
		10			
		11			
5 100	11	00	10	101	101
		01			
		10			
		11			
6 101	00	00	10	101	101
		01			
		10			
		11			

795

TRIM

FIG. 7

790

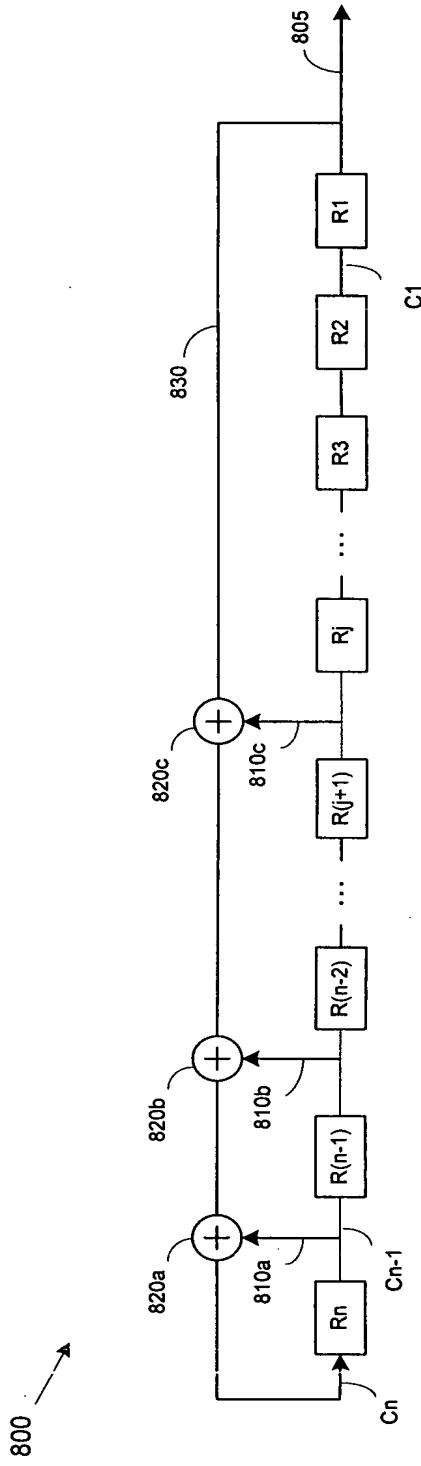


FIG. 8A

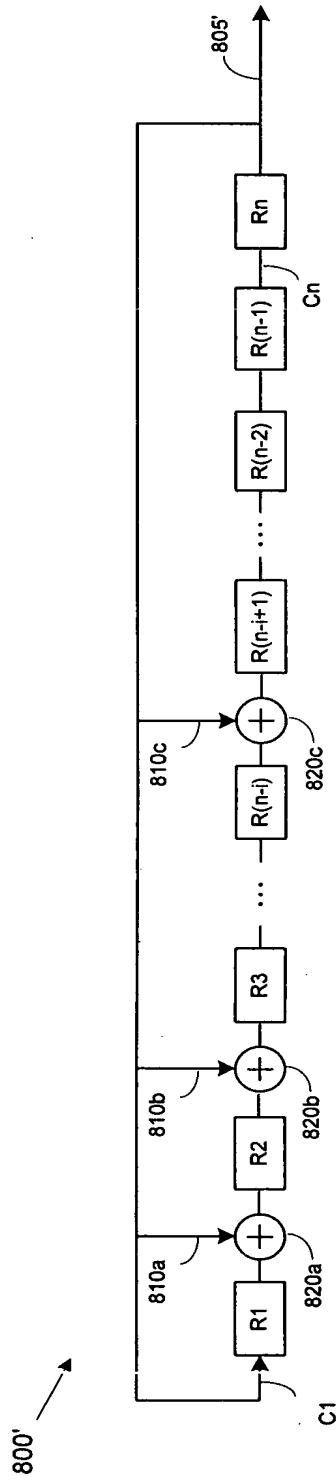


FIG. 8B